

101060 452

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,847,439 B2  
DATED : January 25, 2004  
INVENTOR(S) : Minneman et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 8,

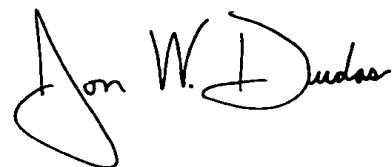
Line 50, replace "time to" with -- time to --

Column 12,

Lines 3-4, replace "way lengths" with -- wavelengths --

Signed and Sealed this

Twelfth Day of April, 2005



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*